

--16. (new) A method for the inhibition of transmission of a hepatitis B virus to a cell, comprising contacting the cell with an effective concentration of a hepatitis B virus peptide recognized by an ALLMOT15, 107x178x4 or a PLZIP sequence search motif for an effective period of time so that no infection of the cell by the virus occurs.

17. (new) A method for the inhibition of transmission of a hepatitis B virus to a cell, comprising contacting the cell with an effective concentration of a peptide having a formula selected from the group consisting of:

X-PLLVLQAGFFLLTRILTIPQSLDSWWTSLNFLGGGTTVCLGQNSQSP-Z;  
X-PLLVLQAGFFLLTRILTIPQSLDSWWTSLNFLGGT-Z;  
X-LLVLQAGFFLLTRILTIPQSLDSWWTSLNFLGGTT-Z;  
X-LVLQAGFFLLTRILTIPQSLDSWWTSLNFLGGTTV-Z;  
X-LQAGFFLLTRILTIPQSLDSWWTSLNGLGGTTVCL-Z;  
X-QAGFFLLTRILTIPQSLDSWWTSLNFLGGTTVCLG-Z;  
X-AGFFLLTRILTIPQSLDSWWTSLNFLGGTTVCLGQ-Z;  
X-GFFLLTRILTIPQSLDSWWTSLNFLGGTTVCLGQN-Z;  
X-FFLLTRILTIPQSLDSWWTSLNFLGGTTVCLGQNS-Z;  
X-FLLTRILTIPQSLDSWWTSLNFLGGTTVCLGQNSQ-Z;  
X-LLTRILTIPQSLDSWWTSLNFLGGTTVCLGQNSQS-Z;  
X-PGYRWMCLRRFIIFFILLLLCLIFLLVLLDYQGMLPVCPLIPGSSTSTG  
PCRTCMTT-Z;  
X-PGYRWMCLRRFIIFFILLLLCLIFLLVLLDYQGML-Z;  
X-GYRWMCLRRFIIFFILLLLCLIFLLVLLDYQGMLP-Z;  
X-YRWMCLRRFIIFFILLLLCLIFLLVLLDYQGMLPV-Z;  
X-RWMCLRRFIIFFILLLLCLIFLLVLLDYQGMLPVC-Z;  
X-WMCLRRFIIFFILLLLCLIFLLVLLDYQGMLPVCP-Z;  
X-MCLRRFIIFFILLLLCLIFLLVLLDYQGMLPVCPI-Z;  
X-CLRRFIIFFILLLLCLIFLLVLLDYQGMLPVCPLI-Z;  
X-LRRFIIFFILLLLCLIFLLVLLDYQGMLPVCPLIP-Z;  
X-RRFIIFFILLLLCLIFLLVLLDYQGMLPVCPLIPG-Z;  
X-RFIIFFILLLLCLIFLLVLLDYQGMLPVCPLIPGS-Z;  
X-FIIFLFIILLLLCLIFLLVLLDYQGMLPVCPLIGSS-Z;  
X-IIFFLFIILLLLCLIFLLVLLDYQGMLPVCPLIPGSST-Z;  
X-IFLFIILLLLCLIFLLVLLDYQGMLPVCPLIPGSSTS-Z;  
X-FLFIILLLLCLIFLLVLLDYQGMLPVCPLIPGSSTST-Z;  
X-LFIILLLLCLIFLLVLLDYQGMLPVCPLIPGSSTSTG-Z;  
X-FIILLLLCLIFLLVLLDYQGMLPVCPLIPGSSTSTGP-Z;  
X-ILLLLCLIFLLVLLDYQGMLPVCPLIPGSSTSTGPC-Z;  
X-LLLCIFLLVLLDYQGMLPVCPLIPGSSTSTGPCR-Z;  
X-LLCLIFLLVLLDYQGMLPVCPLIPGSSTSTGPCRT-Z;  
X-LCLIFLLVLLDYQGMLPVCPLIPGSSTSTGPCRTC-Z;  
X-CLIFLLVLLDYQGMLPVCPLIPGSSTSTGPCRTCMT-Z;  
X-LIFLLVLLDYQGMLPVCPLIPGSSTSTGPCRTCMT-Z; or

*(See ID Nos: 239-273, respectively)*

X-IFLLVLLDYQGMLPVCPLIPGSSTSTGPCRTCMTT-Z;

in which:

amino acid residues are presented by the single-letter code;

X comprises an amino group, an acetyl group, a 9-fluorenylmethoxy-carbonyl group, a hydrophobic group, or a macromolecule carrier group;

Z comprises a carboxyl group, an amido group, a hydrophobic group, or a macromolecular carrier group for an effective period of time so that no infection of the cell by the virus occurs.

*Cont*

18. (new) A method for neutralizing hepatitis B virus in a host, comprising administering to the host an effective concentration of a hepatitis B virus peptide recognized by an ALLMOT15, 107x178x4 or a PLZIP sequence search motif so that the host raises an immune response sufficient to neutralize the virus, and viral infection of uninfected cells in the host is inhibited.

19. (new) A method for neutralizing a hepatitis B virus in a host, comprising administering to the host an effective concentration of a peptide:

X-PLLVLQAGFFLLTRILTIPQSLDSWWTSLNFLGGGTTVCLGQNSQSP-Z;  
X-PLLVLQAGFFLLTRILTIPQSLDSWWTSLNFLGGT-Z;  
X-LLVLQAGFFLLTRILTIPQSLDSWWTSLNFLGGTT-Z;  
X-LVLQAGFFLLTRILTIPQSLDSWWTSLNFLGGTTV-Z;  
X-LQAGFFLLTRILTIPQSLDSWWTSLNFLGGTTVCL-Z;  
X-QAGFFLLTRILTIPQSLDSWWTSLNFLGGTTVCLG-Z;  
X-AGFFLLTRILTIPQSLDSWWTSLNFLGGTTVCLGQ-Z;  
X-GFFLLTRILTIPQSLDSWWTSLNFLGGTTVCLGQN-Z;  
X-FLLTRILTIPQSLDSWWTSLNFLGGTTVCLGQNS-Z;  
X-FLLTRILTIPQSLDSWWTSLNFLGGTTVCLGQNSQ-Z;

X-LLTRILTIFQSLDSWWTSLNFLGGTTVCLGQNSQS-Z;  
 X-PGYRWMCLRRFIIIFLFIILLCLIFLLVLLDYQGMLPVCPLIPGSSTSTG  
 PCRTCMTT-Z;  
 X-PGYRWMCLRRFIIIFLFIILLCLIFLLVLLDYQGML-Z;  
 X-GYRWMCLRRFIIIFLFIILLCLIFLLVLLDYQGMLP-Z;  
 X-YRWMCLRRFIIIFLFIILLCLIFLLVLLDYQGMLP-Z;  
 X-RWMCLRRFIIIFLFIILLCLIFLLVLLDYQGMLPVC-Z;  
 X-WMCLRRFIIIFLFIILLCLIFLLVLLDYQGMLPVCPC-Z;  
 X-MCLRRFIIIFLFIILLCLIFLLVLLDYQGMLPVCPI-Z;  
 X-CLRRFIIIFLFIILLCLIFLLVLLDYQGMLPVCPLI-Z;  
 X-LRRFIIIFLFIILLCLIFLLVLLDYQGMLPVCPLIP-Z;  
 X-RRFIIIFLFIILLCLIFLLVLLDYQGMLPVCPLIPG-Z;  
 X-RFIIIFLFIILLCLIFLLVLLDYQGMLPVCPLIPGS-Z;  
 X-FIIFLFIILLCLIFLLVLLDYQGMLPVCPLIGGSS-Z;  
 X-IIIFLFIILLCLIFLLVLLDYQGMLPVCPLIPGSST-Z;  
 X-IFLFIILLCLIFLLVLLDYQGMLPVCPLIPGSSTS-Z;  
 X-FLFIILLCLIFLLVLLDYQGMLPVCPLIPGSSTST-Z;  
 X-LFIILLCLIFLLVLLDYQGMLPVCPLIPGSSTSTG-Z;  
 X-FIILLCLIFLLVLLDYQGMLPVCPLIPGSSTSTGP-Z;  
 X-ILLCLIFLLVLLDYQGMLPVCPLIPGSSTSTGPC-Z;  
 X-LLCLIFLLVLLDYQGMLPVCPLIPGSSTSTGPCR-Z;  
 X-LLCLIFLLVLLDYQGMLPVCPLIPGSSTSTGPCRT-Z;  
 X-LCLIFLLVLLDYQGMLPVCPLIPGSSTSTGPCRTC-Z;  
 X-CLIFLLVLLDYQGMLPVCPLIPGSSTSTGPCRTCMT-Z;  
 X-LIFLLVLLDYQGMLPVCPLIPGSSTSTGPCRTCMT-Z;  
 X-IFLLVLLDYQGMLPVCPLIPGSSTSTGPCRTCMTT-Z;

in which:

amino acid residues are presented by the single-letter code;

X comprises an amino group, an acetyl group, a 9-fluorenylmethoxy-carbonyl group, a hydrophobic group, or a macromolecule carrier group;

Z comprises a carboxyl group, an amido group, a hydrophobic group, or a macromolecular carrier group so that the host raises an immune response sufficient to neutralize the virus, and viral infection of uninfected cells in the host is inhibited.--

#### REMARKS

Applicants respectfully request that the amendments and remarks be made of record in the file of the instant